BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:- Improvements to roads and drains in 1st main road, 1st cross, Ravishanakara residency, Sanjeeviningara in ward no.07 byatarayanapura.

Est Cost:- 09.00 lakhs

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S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRTB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m. excavated surafce levelled and sides neatly dressed. the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	Basic Rate:	cum	130						
	Area Weightage @ 6%		7.8						
	Total		137.8						
	BS Slab drain		2.00	65.00	0.75	0.75	73.13		
	Raod work		1.00	65.00	9.50	0.30	185.25		
	over burden earth		1.00	80.00	1.50	1.20	144.00		
					TOTAL		**402.38**	137.8	55448.00
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration inlcuding curing for 14 days including cost of all materials labour, HOM curing. form works. scaffolding and centering complete as per specification . (Pg.No.222. It.27.18)								
	Basic Rate:	cum	5115.00						
	Area Weightage @ 6%		306.9						
	Total		5421.9						
	BS slab drain- bottom		2.00	65.00	0.75	0.15	14.63		
					TOTAL		**14.63**	5421.90	79296.00
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc.. complete.7.5 cm thick (Pg No.27. Item No.5.31.1)								
	Basic Rate:	Sqm	700.00						
	Area Weightage @ 6%		42						
	Total		742						
	BS slab drain- bottom	2*3	6.00	65.00	0.6		234.00		
					TOTAL		**234.00**	742.00	173628.00
4	KSRRB M 400-17. Providing. laying. spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site. laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.157. I.No.20.18 SR 2018-19)								
	Basic Rate:	cum	**1888.00**						
	Area Weightage @ 6%		**113.28**						
	Total		**2001.28**						
			1	65.0	9.50	0.20	123.50		
							123.50	2001.28	247159.00

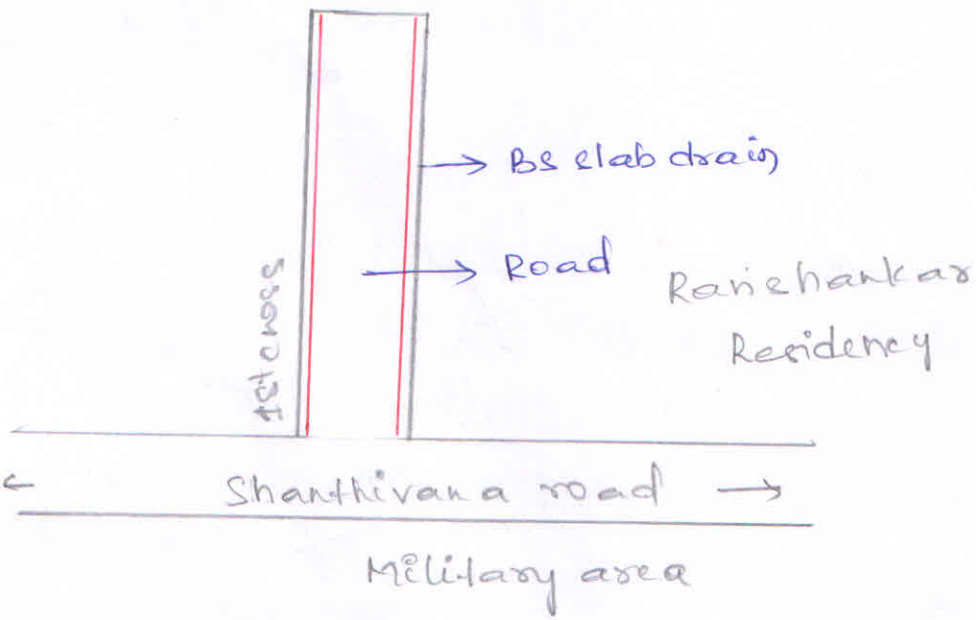
5	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.158, I.No.21.6 SR 2018-19)								
	Basic Rate:	Sqm	28.00						
	Area Weightage @ 6%		1.68						
	Total		29.68						
			1	65.00	9.50		617.50		
							617.50	29.68	18328.00
6	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 6% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.162 of I.No.21.22.6 of S.R 2018-19)								
	Basic Rate:	Sqm	8472.00						
	Area Weightage @ 6%		508.32						
	Total		8980.32						
			1.00	65.00	9.50	0.04	24.70		
							24.70	8980.32	221814.00

7	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.197, I.No.24.15 of SR 2018-19)								
	Basic Rate:	Sqm	429.00						
	Area Weightage @ 6%		25.74						
	Total		454.74						
			2.00	65.00	0.10		13.00		
							13.00	454.74	5912.00
8							Sub Total		801585.00
9							Add 12% GST charges		96190.2
10							Miscelleneous charges		2224.8
11							Total		900000.00
;	1)This is certified that the work spot comes under BBMP limits only.								
	2) The work spot is inspected by me								
	3) The items Provided in the Estimate are quite Essential								
	4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.								
	Asst.Engineer		Asst.Exe.Engineer				Executive Engineer		
	Ward no.7		Kodigehalli Sub-division				Byatrayanapura Division		
			B.B.M.P.				B.B.M.P.		

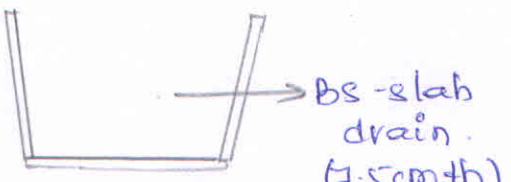
ADMINISTRATIVE APPROVAL
Accorded For Rs. 9.00 lakhs only
Head of A/c. P0541
Div. Ref. No. 17 Date 20/01/22
AE 20/01
EE(BTP) 20/01

TECHNICAL SANCTION
Accorded For Rs. 9.00 lakhs only
Head of A/c. P0541.
Div. Ref. No. 31 Date 20/01/22
AE 20/01
EE(BTP) 20/01

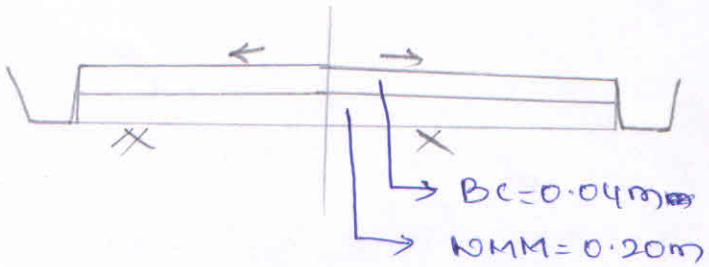
Improvements to roads and drains of 1st cross, 1st main road, Sangeerinagara, in Ward :- byadarayanapura



PLAN



BS slab drain



BC- PAVEMENT

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

AE(Hot)